ATEN®
Simply Better Connections™

# ATEN Product Guide

Complete Control

www.aten.com

## Model: CS-62A
2 Port PS/2 KVM Switch

Audio Speaker Support

Connection Panel

## Model: CS-64A
4 Port PS/2 KVM Switch

Audio Speaker Support

Connection Panel

The CS-62A/CS-64A feature a 50% smaller desktop footprint than traditional compact KVM switches. With built-in custom KVM cables and a single molded plastic/metal exterior, this rugged KVM switch offers the most utility for its size.

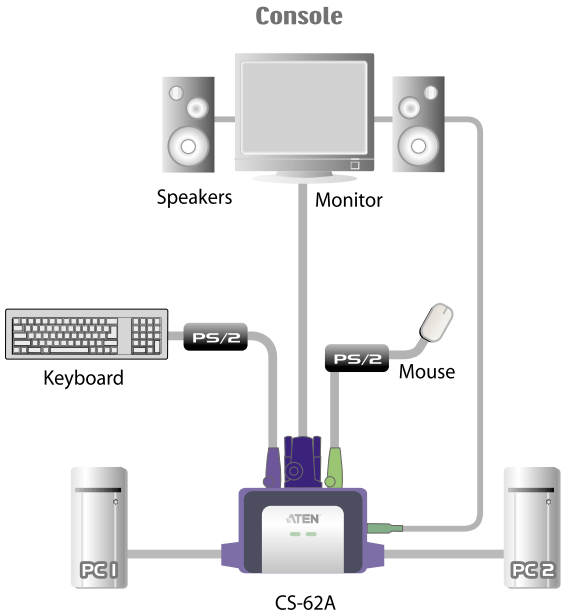
## Features

- Controls 2 to 4 computers from a single PS/2 console with speaker
- LED display for easy monitoring
- Built in 4' cables (CS-62A), 6' cables (CS-64A) make installation a cinch
- All-in-one design
- Auto Scanning
- With speaker support
- ATEN ASIC inside (CS-64A)

## Specifications

| Function | | | CS-62A | CS-64A |
|---|---|---|---|---|
| Computer Connections | | | 2 | 4 |
| Computer Port Selection | | | Hotkey | |
| Connectors | Console | Keyboard | 1 x Mini Din 6 Female (Purple) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x Mini Din 6 Female (Green) | |
| | | Speaker | 1 x Mini Stereo Jack Female (Green) | |
| | Computer | Keyboard | 2 x Mini Din 6 Male (Purple) | 4 x Mini Din 6 Male (Purple) |
| | | Video | 2 x HDB15 Male (Blue) | 4 x HDB15 Male (Blue) |
| | | Mouse | 2 x Mini Din 6 Male (Green) | 4 x Mini Din 6 Male (Green) |
| | | Speaker | 2 x Mini Stereo Plug Male (Green) | 4 x Mini Stereo Plug Male (Green) |
| LEDs | Selected | | 2 (Green) | 4 (Green) |
| Emulation | Keyboard | | PS/2 | |
| | Mouse | | | |
| Video | | | 2048 x 1536, DDC2B | |
| Scan Interval | | | 3, 5, 10, 20 Seconds | 5 Seconds |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Plastic | |
| | Weight | | 0.41 kg | 0.9 kg |
| | Dimensions (L x W x H) | | 12 x 4.95 x 2.5 cm | 8.95 x 7.19 x 2.6 cm |

## Diagram




CS-62A

Supports computers that are equipped with speakers

WIN Win 98SE or Higher
LINUX Red Hat 7.0 or Higher
Free Free-BSD
PS/2 6 pin mini-DIN
Audio Speaker Support
Non-Power
ATEN ASIC Inside

(CS-64A)

## Model: CS-62U
2 Port USB KVM Switch

Connection Panel

## Model: CS-64U
4 Port USB KVM Switch

Connection Panel

Our total USB solution. Link two to four USB computers to one USB console for a complete USB system compatible with all operating platforms: PC, Mac and Sun.

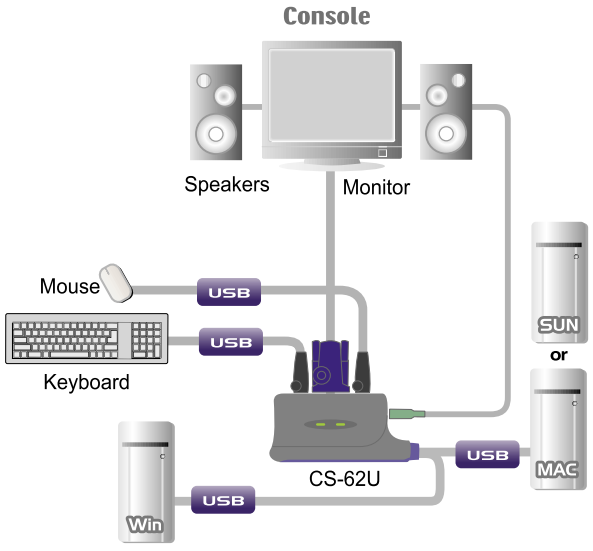
## Features

- New USB KVM generation
- Controls 2 to 4 USB computers
- Hotkey selection for OS and keyboard language
- Supports multimedia USB keyboards
- Multi-use USB connector- can connect any USB device, including mouse
- Multiplatform support; compatible with all operation platforms: PC(Windows, Linux and most others), Mac and Sun.
- Compact design, Built in 6' cables
- With speaker support
- USB ATEN ASIC Inside

## Specifications

| Function | | | CS-62U | CS-64U |
|---|---|---|---|---|
| Computer Connections | | | 2 | 4 |
| Computer Port Selection | | | Hotkey | |
| Connectors | Console | Keyboard | 1 x USB Type A Female (Black) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x USB Type A Female (Black) | |
| | | Speaker | 1 x Mini Stereo Jack Female (Green) | |
| | Computer | USB Keyboard /Mouse | 2x USB Type A Male (Black) | 4x USB Type A Male (Black) |
| | | Video | 2 x HDB15 Male (Blue) | 4 x HDB15 Male (Blue) |
| | | Speaker | 2 x Mini Stereo Plug Male (Green) | 4 x Mini Stereoe Plug Male (Green) |
| LEDs | Selected | | 2 (Green) | 4(Green) |
| Emulation | Keyboard | | USB | |
| | Mouse | | | |
| Video | | | 2048 x 1536, DDC2B | |
| Scan Intercal | | | 5 Seconds (Default) | |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Plastic | |
| | Weight | | 0.38 kg | 0.8 kg |
| | Dimensions (L x W x H) | | 8.1 x 6.9 x 2.6 cm | 10.9 x 9.72 x 2.54 cm |

## Diagram




Supports computers that are equipped with speakers

Model: **CS-82A**
2 Port PS/2 KVM Switch

Model: **CS-84A**
4 Port PS/2 KVM Switch

CS-84A Rear View

A compact and rugged solution for managing up to two to four PCs. Access the CS-82A/84A KVM Switch (Compatible with PS/2 and USB*) through push buttons on the front panel or hotkey combinations from the keyboard. Featuring a durable exterior and compact form factor, the console connector ports are ergonomically located on the front panel for easy accessibility while the foot pads prevent desktop sliding.

* USB operation requires purchase of optional equipment (see below).

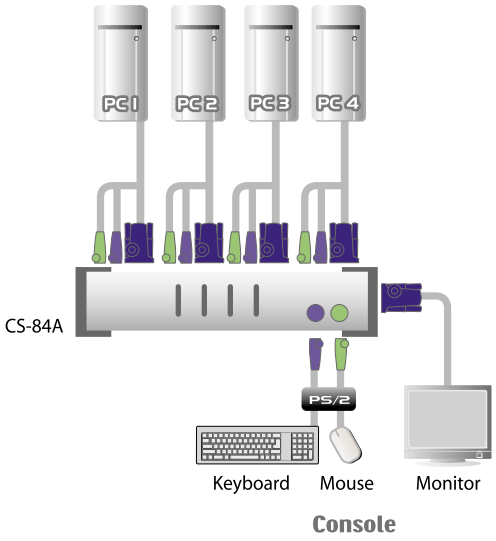
## Features

- PS/2 compatible mouse supports - Microsoft Intellimouse pro, Logitech FirstMouse support
- Connector placement specifically designed for neat and tidy cable attachment
- Supports 1920 x 1440 resolution, DDC2B
- Scan mode automatically switches between PCs

## Specifications

| Function | | | CS-82A | CS-84A |
|---|---|---|---|---|
| Computer Connections | | | 2 | 4 |
| Computer Port Selection | | | Hotkey, Push button | |
| Connectors | Console | Keyboard | 1 x Mini Din 6 Female (Purple) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x Mini Din 6 Female (Green) | |
| | Computer | Keyboard | 2x Mini Din 6 Female (Purple) | 4x Mini Din 6 Female (Purple) |
| | | Video | 2 x HDB15 Male (Blue) | 4 x HDB15 Male (Blue) |
| | | Mouse | 2x Mini Din 6 Female (Green) | 4x Mini Din 6 Female (Green) |
| | Power | | 1 x DC Jack (Spare) | |
| LEDs | On Line | | 2 (Orange) | 4 (Orange) |
| | Selected | | 2 (Green) | 4 (Green) |
| Emulation | Keyboard | | PS/2 | |
| | Mouse | | | |
| Video | | | 1920 x 1440; DDC2B | |
| Scan Interval | | | 3, 5, 10, 20 Seconds | 5 Seconds |
| Power Consumption | | | DC9V, 1.080W | DC9V, 1.17W |
| Environment | Operating Temperature | | 0˚~50˚C | |
| | Storage Temperature | | -20˚~60˚C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 0.42 kg | 0.64 kg |
| | Dimensions (L x W x H) | | 14 x 8.5 x 5.5 cm | 21 x 8.5 x 5.5 cm |

## Diagram




## Accessories

1.2m PS/2 KVM cables x 2 (CS-82A)
1.2m PS/2 KVM cables x 2 / 1.8m PS/2 KVM cables x 2 (CS-84A)

## Optional Equipment

**Cables & Converters for USB interface support:**

1. **PC compatible:** a 1.8m (2L-5502UP), or 3m (2L-5503UP) and 6m (2L-5506UP) USB KVM cable, please refer to page P64-G
2. **Windows/Mac compatible:** UC-100 KMA (PS/2 to USB Adapter), please refer to page P35
3. **Sun (USB) :** CV-131B, see page P34, **SUN (Legacy):** CV-130B, see page P33
4. A DC9V power adapter is available- requires separate purchase

Model: **CS-1732A**
2 Port USB KVMP™ Switch

Model: **CS-1734A**
4 Port USB KVMP™ Switch

CS-1734 Rear View

Our KVMP (Keyboard, Video, Mouse and Peripheral) Series integrates a fully functioning USB hub into the KVM switch thereby centralizing control of PC and peripheral functions from a single console. Our new KVMP multi-peripheral sharing technology is changing the way ATEN customers utilize the power of their PC.

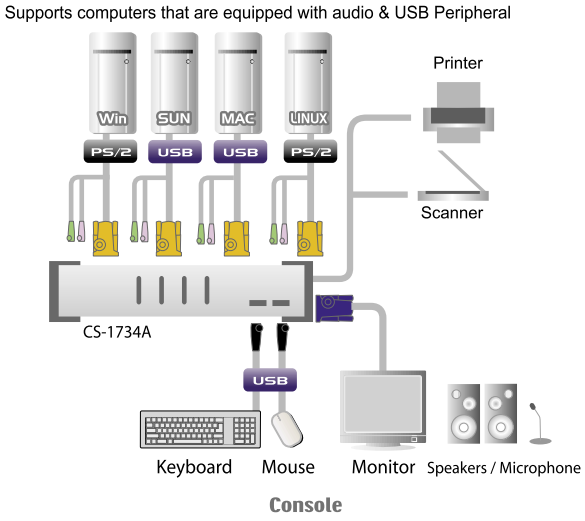
## Features

- Dual interface - supports computers with PS/2 or USB keyboards and mice
- Supports PC (Windows, Linux and most others), Mac and Sun systems
- One console controls 2 to 4 computers and 2 additional USB devices
- Bidirectional switching and flexible interoperability; switch permits independent PC, independent peripheral, and independent audio function, regardless of KVM switch focus
- Buzzer ON/OFF via hotkey
- Complete keyboard and mouse emulation for error free booting and realtime switching
- Easy installation - no software required
- Superior video quality; 2048 x 1536; DDC2B
- A life time of fireware upgrading
- Audio enabled

## Specifications

| Function | | | CS-1732A | CS-1734A |
|---|---|---|---|---|
| Computer Connections | | | 2 | 4 |
| Computer Port Selection | | | Hotkey, Push Button | |
| USB Port/Audio Port Selection | | | Hotkey | |
| Connectors | Console | Keyboard | 1 x USB Type A Female (White) | |
| | | Video | 1 x HDB 15 Female (Blue) | |
| | | Mouse | 1 x USB Type A Female (White) | |
| | | Speaker | 1 x Mini Stereo Jack Female (Green) | |
| | | Microphone | 1 x Mini Stereo Jack Female (Pink) | |
| | Computer | Keyboard/Video/ Mouse | 2 x SPHD15 Female (Yellow) | 4 x SPHD15 Female (Yellow) |
| | | Speaker | 2 x Mini Stereo Jack Female (Green) | 4 x Mini Stereo Jack Female (Green) |
| | | Microphone | 2 x Mini Stereo Jack Female (Pink) | 4 x Mini Stereo Jack Female (Pink) |
| | USB Hub | | 2 x USB Type A Female (Black) | |
| | Firmware Upgrade | | 1 x RJ11 Soclcet (Black) | |
| | Power | | 1 x DC Jack (Spare) | |
| Switch | Firmware Upgrade | | 1 x Slide Switch | |
| LEDs | On Line/ Selected | | 2 (Orange) | 4 (Orange) |
| | USB Link | | 2 (Green) | 4 (Green) |
| Emulation | Keyboard | | USB | |
| | Mouse | | | |
| Video | | | 2048 x1536; DDC2B | |
| Scan Interval | | | 1-99 Seconds (5 Seconds Default ) | |
| Power Consumption | | | DC5V, 1.2W | DC5V, 1.25W |
| Environment | Operating Temperature | | 0˚~50˚C | |
| | Storage Temperature | | -20˚~60˚C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 0.49 kg | 0.7 kg |
| | Dimensions (L x W x H) | | 14 x 8.5 x 5.5 cm | 21 x 8.5 x 5.5 cm |

## Diagram




## Accessories

1.2m USB KVM Cables x 2 (CS-1732A) (pic. 1)
1.2m USB KVM Cables x 2 / 1.8m USB KVM Cables x 2 (CS-1734A) (pic.1)
1.8m Firmware Upgrade Cable (pic.2)

## Optional Equipment

- **PS/2 KVM Cable:**
  We offer varying lengths: 1.2m (2L-5301P), or 1.8m (2L-5302P) 3m (2L-5303P), 4m ( 2L-5304P) and 5m (2L-5305P) PS/2 KVM cable, please refer to page P65-N
- **USB KVM cable**
  We offer varying lengths: 1.2m (2L-5201U), 1.8m (2L-5202U), 3m (2L-5203U) and 5m (2L-5205U) USB KVM cable please refer to page P65-O
- **A DC5V power adapter is available-requires separate purchase**

Model: **CS-1742**
2 Port USB Dual-View KVM Switch

Model: **CS-1744**
4 Port USB Dual-View KVM Switch

CS-1744 Rear View

The Master View Dual-View CS-1742 or CS-1744 USB KVM Switch brings dualhead video functionality to ATEN's USB KVM switch technology. Now, two (CS-1742) or four (CS-1744) dual head computers can be accessed and controlled from a single console that consists of a USB keyboard, USB mouse, and two VGA, SVGA, or Multisync monitors. In addition, the CS-1742 / CS-1744 incorporates a two port USB hub that allows each of the computers to share any USB peripherals connected to the hub.

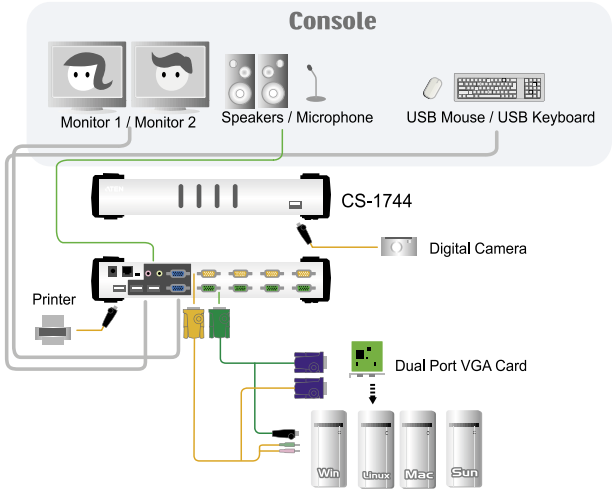
## Features

- Allows one keyboard, mouse speaker, mic and two displays to control two to four dual display computers
- Integrated USB Hub - one USB port at front for convenient link of flash drive or digital camera
- Multiplatform compatibility MAC, SUN, PC(Windows, Linux and most others)
- Bidirectional switching and flexible interoperatibility; switch permits independent PC, independent peripheral, and independent audio function, regardless of KVM Switch focus
- Buzzer ON/OFF via hotkey
- Supports 2048 x 1536 maximum display resolution
- Programmable hotkey operations
- Firmware upgradeable

## Specifications

| Function | | | CS-1742 | CS-1744 |
|---|---|---|---|---|
| Computer Connections | | | 2 | 4 |
| Computer Port Selection | | | Hotkey, Push Button | |
| USB Port/Audio Port Selection | | | Hotkey | |
| Connectors | Console | Keyboard | 1 x USB Type A Female (White) | |
| | | Video | 2 x HDB15 Female (Blue) | |
| | | Mouse | 1 x USB Type A Female (White) | |
| | | Speaker | 1 x Mini Stereo Jack Female (Green) | |
| | | Microphone | 1 x Mini Stereo Jack Female (Pink) | |
| | Computer | Speaker / Microphone | 2 x SPHD-15 Male (Yellow) | 4 x SPHD-15 Male (Yellow) |
| | | Video 1 | | |
| | | Keyboard & Mouse | 2 x SPHD-15 Female (Green) | 4 x SPHD-15 Female (Green) |
| | | Video 2 | | |
| | USB Hub | | 2 x USB Type A Female (White) | |
| | Firmware Upgrade | | 1 x RJ 11 Socket (Black) | |
| | Power | | 1 x DC Jack (Spare) | |
| LEDs | On Line/ Selected | | 2 (Orange) | 4 (Orange) |
| | USB Link | | 2 (Green) | 4 (Green) |
| Emulation | Keyboard | | USB | |
| | Mouse | | | |
| Video | | | 2048 x 1536 | |
| Scan Interval | | | 1-99 Seconds (5 Seconds Default) | |
| Power Consumptior | | | DC5V, 1.25W | DC5V, 1.35W |
| Environment | Operating Temperature | | 0˚~50˚C | |
| | Storage Temperature | | -20˚~60˚C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 0.82 kg | 1.03 kg |
| | Dimensions (L x W x H) | | 21 x 8.5 x 5.5 cm | 27 x 8.5 x 5.5 cm |

## Diagram




Supports computers that are equipped with audio & USB Peripheral

## Accessories

1.8m KVM Cables (Audio/Video) x 2 (CS-1742) x 4 (CS-1744) (pic.1)
1.8m KVM Cables (USB/Video) x 2 (CS-1742) x 4 (CS-1744) (pic.2)
1.8m Firmware Upgrade Cable x 1 (pic. 3)

## Optional Equipment

A DC5V power adapter is available- requires separate purchase

Model: **CS-1772**
2 Port USB 2.0 KVME™ Switch

Model: **CS-1774**
4 Port USB 2.0 KVME™ Switch

CS-1774 Rear View

For an all-in-one, multiplatform KVM, USB and Ethernet control device, look no further than the CS-1772 or CS-1774 Multiport Switch. The CS-1772 was designed to control 2 computers with one keyboard, mouse and video. It also includes a 2 port 2.0 USB hub for fast peripheral device access and a 3 port 10/100Mbps Ethernet port for connecting your computers to a network. The CS-1774 allows you to control 4 computers. Both models also feature stereo and audio support and can be controlled via or keyboard hotkeys.

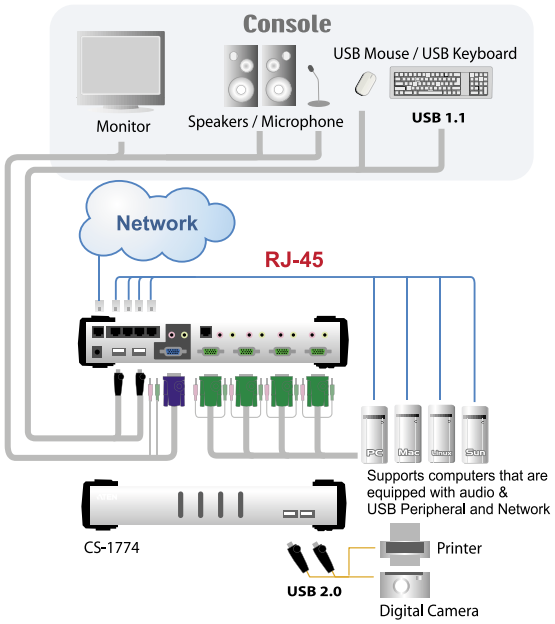
## Features

- Complete USB 2.0 KVME Switch with Ethernet Hub/USB Hub
- Three/Five auto-sensing dual speed ports (Ethernet/Fast Ethernet) plug-and-play enabled; hub complies with IEEE802.3/IEEE802.3u Standard
- Supports Multiple platforms: PC(Windows, Linux and most others), Mac, Sun
- 2 port USB 2.0 Hub built in
- Buzzer ON/OFF via hotkey
- Permits independent switching of KVM, USB and audio focus between all computers
- Audio enabled

## Specifications

| Function | | | CS-1772 | CS-1774 |
|---|---|---|---|---|
| Computer Connections | | | 2 | 4 |
| Computer Port Selection | KVM | | Hotkey, Push Button | |
| | USB or Audio | | Hotkey | |
| Connectors | Console | Keyboard | 1 x USB Type-A Female (White) | |
| | | Video | 1 x HDB-15 Female (Blue) | |
| | | Mouse | 1 x USB Type-A Female (White) | |
| | | Speaker | 1 x Mini Stereo Jack Female (Green) | |
| | | Microphone | 1 x Mini Stereo Jack Female (Pink) | |
| | Computer | Keyboard | 2 x SPHD-15 Female (Green) | 4 x SPHD-15 Female (Green) |
| | | Video | | |
| | | Mouse | | |
| | | Speaker | 2 x Mini Stereo Jack Female (Green) | 4 x Mini Stereo Jack Female (Green) |
| | | Microphone | 2 x Mini Stereo Jack Female (Pink) | 4 x Mini Stereo Jack Female (Pink) |
| | Erthernet Hub | | 3 x RJ-45 Female (Black) | 5 x RJ-45 Female (Black) |
| | Peripheral | | 2 x USBType-A Female (White) | |
| | Firmware Upgrade | | 1 x RJ-11 Female (Black) | |
| | Power | | 1 x DC Jack | |
| LEDs | KVM | | 2 (Orange) | 4 (Orange) |
| | USB or Audio | | 2 (Green) | 4 (Green) |
| | 10/100 Mbps | | 3 (Green) | 5 (Green) |
| | LINK | | 3 (Green) | 5 (Green) |
| Emulation | Keyboard | | USB | |
| | Mouse | | | |
| Video | | | 2048 x 1536, DDC2B | |
| Scan Interval | | | 1-99 Seconds | |
| Power Consumption | | | DC5.3V, 4.5W | DC5.3V, 5W |
| Environment | Operation Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 0.71 kg | 0.92 kg |
| | Dimensions (L x W x H) | | 21 x 8.5 x 5.5 cm | 27 x 8.5 x 5.5 cm |

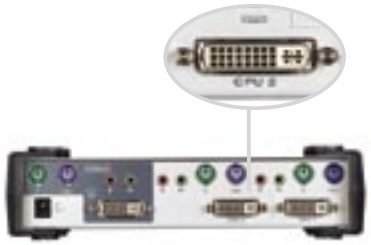
## Diagram




## Accessories

1.8m USB KVM Cables x 2 (CS-1772); x 4 (CS-1774) (pic.1)
1.8m Firmware Upgrade Cable x 1 (pic. 2)
Power Adapter: DC5.3V x 1 (pic. 3)

Model: **CS-1262**
2 Port PS/2 DVI KVM Switch



CS-1262 Rear View

The CS-1262 is a 2 port DVI KVM (Keyboard, Video, Mouse) switch that enables you to share your high-end DVI display device, keyboard, mouse, speaker and microphone with two separate computers.

The DVI connector supports both digital video input (flat panel displays, data projectors, plasma displays, digital TVs and set-top boxes) and analog video input (traditional monitors and TVs).

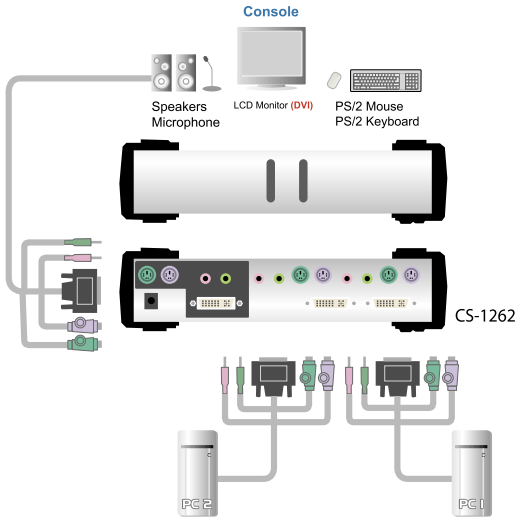
## Features

- Control two computers from one DVI monitor, one PS/2 keyboard, one PS/2 mouse console
- DVI interface technology to ensure crisp and clean digital and analog display
- Audio Enabled
- Bi-directional switching and flexible interoperability: via hotkeys switch permits independent PC, and audio functions
- Buzzer ON/OFF via hotkey
- Supports PS/2 keyboards and mice including M/S IntelliMouse (Pro), Explorer and Optical mice
- Supports 1600 x 1200 high resolution, DDC2B
- Computer selection via push button and Hotkey
- 2 DVI KVM cables included

## Specifications

| | | | |
|---|---|---|---|
| Function | | | CS-1262 |
| Computer Connections | | | 2 |
| Computer Port Selection | | | Hotkey, Push Button |
| Connectors | Console | Keyboard | 1 x Mini-Din 6 Female (Purple) |
| | | Video | 1 x DVI Female (White) |
| | | Mouse | 1 x Mini-Din-6 Female (Green) |
| | | Speaker | 1 x Mini Stereo Jack Female (Pink) |
| | | Microphone | 1 x Mini Stereo Jack Female (Green) |
| | Computer | Keyboard | 2 x Mini-Din 6 Female (Purple) |
| | | Video | 2 x DVI Female (White) |
| | | Mouse | 2 x Mini-Din-6 Female (Green) |
| | | Speaker | 2 x Mini Stereo Jack Female (Pink) |
| | | Microphone | 2 x Mini Stereo jack Female (Green) |
| | Power | | 1 x DC Jack |
| LEDs | On Line | | 2 (Orange) |
| | Selected | | 2 (Green) |
| Emulation | Keyboard | | PS/2 |
| | Mouse | | |
| Video | | | 1600 x 1200, DDC2B |
| Scan Interval | | | 1-99 Seconds (5 Seconds Default) |
| Power Consumption | | | DC5V, 1.78W |
| Environment | Operating Temperature | | 0°~50°C |
| | Storage Temperature | | -20°~ 60°C |
| | Humidity | | 0~80% RH, NC |
| Physical Properties | Housing | | Metal |
| | Weight | | 0.7 kg |
| | Dimensions (L x W x H) | | 21 x 8.5 x 5.5 cm |

## Diagram




Supports computers that are equipped with audio

## Accessories

1.8m PS/2 DVI KVM Cable x 2 (pic.1)
Power Adapter: DC5V 2.6A x 1 (pic. 2)

## Optional Equipment

**PS/2 DVI KVM Cable:**
We offer varying lengths: 1.8m (2L-7D02P), 3m (2L-7D03P) and 5m ( 2L-7D05P) PS/2 KVM cable, please refer to page P64-H

Model: **CS-1762**
2 Port USB DVI KVM Switch

Model: **CS-1764**
4 Port USB DVI KVM Switch

CS-1764 Rear View

ATEN's new 2 and 4 port CS-1762/1764 audio enabled DVI KVM Switch is designed for the multiple DVI enabled PC and Mac owner, the DVI friendly SOHO environment and the technology enthusiast. This unique KVM switch permits 1 DVI flat panel display and 1 PC or Macintosh keyboard and mouse combination to effortlessly control 2 (CS-1762) or 4 (CS-1764) DVI enabled computers without the distortion associated with analog to digital conversion. This space saving DVI KVM switch utilizes front panel push buttons or convenient Hotkeys for switching between computers and is fully audio enabled for maximum benefit to your DVI work station at a minimal cost to your desktop space.

## Features

- Control two to four computers from one DVI monitor, one USB keyboard, one USB mouse console
- Computer selection via front panel switches, and Hotkeys
- Bidirectional switching and flexible interoperability; via hotkeys switch permits independent PC, independent peripheral, and independent audio function, regardless of KVM switch focus
- Fully compliant with the USB 1.1 specification
- Auto scan mode for monitoring all computers
- Buzzer On/Off via hotkey
- Supports 1600 x 1200 high resolution, DDC2B
- Fully compliant with the DVI-Digital and DVI-analog specification
- Multiplatform compatibility MAC, SUN, PC (Windows, Linux and most others)
- ATEN USB ASIC Inside

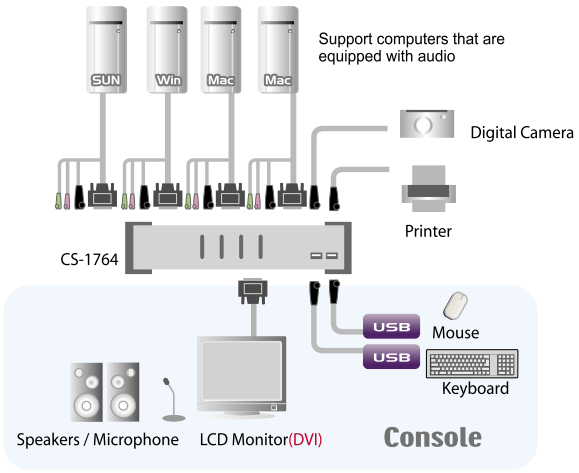
## Accessories

1.8m USB DVI KVM Cable x 2 (CS-1762), x 4 (CS-1764) (pic.1)
1.8m Firmware Upgrade Cable x 1 (pic. 2)
Power Adapter: DC 5V x 1 (pic. 3)

## Optional Equipment

**USB DVI KVM Cable:**
We offer varying lengths: 1.8m (2L-7D02U), 3m (2L-7D03U) and 5m ( 2L-7D05U) USB KVM cable, please refer to page P64-I

## Diagram




## Specifications

| Function | | | CS-1762 | CS-1764 |
|---|---|---|---|---|
| Computer Connections | | | 2 | 4 |
| Computer Port Selection | | | Hotkey, Push Button | |
| Connectors | Console | Keyboard | 1 x USB Type A Female (White) (Front Panel) | |
| | | Video | 1 x DVI Female (White) | |
| | | Mouse | 1 x USB Type A Female (White) (Front Panel) | |
| | | Speaker | 1 x Mini Stereo Jack Female (Green) | |
| | | Microphone | 1 x Mini Stereo Jack Female (Pink) | |
| | Computer | Video | 2 x DVI Female (White) | 4 x DVI Female (White) |
| | | Keyboard/ Mouse | 2 x USB Type B Female (White) | 4 x USB Type B Female (White) |
| | | Speaker | 2 x Mini Stereo Jack Female (Green) | 4 x Mini Stereo Jack Female (Green) |
| | | Microphone | 2 x Mini Stereo Jack Female (Pink) | 4 x Mini Stereo Jack Female (Pink) |
| | USB Hub | | 2 x USB Type A Female (Black) (Rear Panel) | |
| | Firmware Upgrade | | 1 x Earphone Jack Female (Black) | |
| | Power | | 1 x DC Jack | |
| LEDs | On Line/ Selected | | 2 (Orange) | 4 (Orange) |
| | USB Link | | 2 (Green) | 4 (Green) |
| Emulation | Keyboard | | USB | |
| | Mouse | | | |
| Video | | | 1600 x 1200; DDC2B | |
| Scan Interval | | | 1-99 Seconds (5 Seconds Default) | |
| Power Consumption | | | DC5V, 5.1W | DC5V, 7.9W |
| Environment | Operating Temperature | | 0˚~50˚C | |
| | Storage Temperature | | -20˚~60˚C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 0.8 kg | 1 kg |
| | Dimensions (L x W x H) | | 21 x 8.5 x 5.5 cm | 27 x 8.5 x 5.5 cm |

Model: **CS-88A**
8 Port PS/2 KVM Switch

CS-88A Rear View

The CS-88A Master View Plus is an 8-port KVM switch for applications that demand reliable, secure switching. It features enhanced two-level password security for one administrator and four users. Access to servers is granted on a port-by-port basis, ensuring ease of use while maintaining the security of mission-critical servers. The CS-88A supports both PS/2 and USB keyboards and mice for the attached computers.* It also has amazing expansion capabilities to accommodate the growth of your enterprise. In a full three-level cascaded installation (73 CS-88A switches) up to 512 computers can be controlled from a single monitor, keyboard, and mouse console. Furthermore, the CS-88A supports Display Data Channel (DDC) emulation for every port, eliminating complicated power on procedures and ensuring the best possible video resolution on each port.

* USB operation requires purchase of optional equipment (see below).

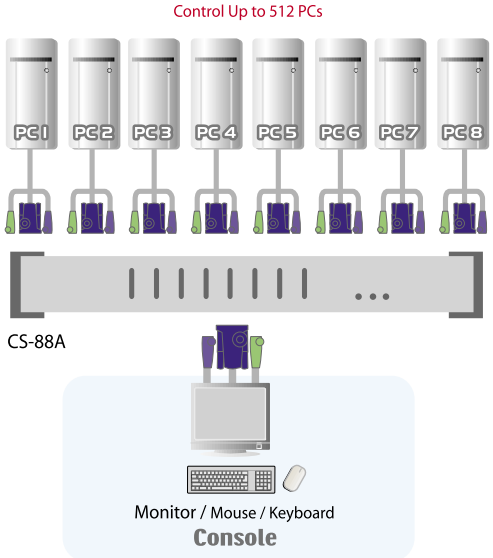
## Features

- Single console controls up to 8 computers
- Cascades up to 3 levels to control up to 512 computers
- Two-level (Administrator/User) password authorization for enhanced security
- DDC2B emulation on every port
- Patented ASIC design for enhanced functionality and compatibility
- No software required  computer selection via front panel buttons, hotkeys, or On Screen Display (OSD)
- OSD automatically adjusts to resolution changes
- OSD list dynamically expands when switches are added to the installation
- Auto Scan feature for monitoring user-selected computers
- Choose between two Hotkey invocation methods - ensures seamless integration with installed programs
- Hot pluggable  add or remove computers without powering off the switch
- PS/2 mouse emulation provided for system boot up
- PS/2 compatible mouse support for Microsoft  Intellimouse Pro and Logitech FirstMouse and FirstMouse+
- Superior video quality: 2048x1536; DDC, DDC2, DDC2B
- Rack mountable in a 19  (1U) system rack

## Specifications

| | | | |
|---|---|---|---|
| Function | | | CS-88A |
| Computer Connections | | Direct | 8 |
| | | Max | 512 (Via Cascade) |
| Computer Port Selection | | | Hotkey Push Button, OSD |
| Connectors | Console | Keyboard | 1 x Mini Din 6 Female (Purple) |
| | | Video | 1 x HDB15 Female (Blue) |
| | | Mouse | 1 x Mini Din 6 Female (Green) |
| | Computer | Keyboard | 8 x Mini Din 6 Female (Purple) |
| | | Video | 8 x HDB15 Male (Blue) |
| | | Mouse | 8 x Mini Din 6 Female (Green) |
| | Power | | 1 x DC9V Jack |
| LEDs | On Line / Selected | | 8  (Orange) / 8 (Green) |
| | Power | | 1 (Blue) |
| Emulation | Keyboard | | PS/2 |
| | Mouse | | |
| Video | | | 2048 x 1536; DDC2B |
| Scan Interval | | | 1-255 Seconds (5 Seconds Default) |
| Power Consumption | | | DC9V, 1.08W |
| Environment | Operating Temperature | | 0°~50°C |
| | Storage Temperature | | -20°~60°C |
| | Humidty | | 0~80% RH, NC |
| Physical Properties | Housing | | Metal |
| | Weight | | 2.85 kg |
| | Dimensions (L x W x H) | | 45 x 17 x 6.7 cm |

## Diagram




## Accessories

Rack Mounting Kit x 1 (pic.1)
Power Adapter: DC9V  x 1 (pic. 2)

## Optional Equipment

- **PS/2 KVM Cable:**
  We offer varying lengths: 1.2m (2L-5001 P/C), or 1.8m (2L-5002 P/C) 3m (2L-5003 P/C) and 5m (2L-5005 P/C) PS/2 KVM cable, please refer to page P64-A

- **Cables & Converters for USB interface support:**
  1. **PC compatible:** a 1.8m (2L-5502UP), 3m (2L5503UP), and 6m (2L-5506UP) USB KVM cable, please refer to page P64-G
  2. **Windows/Mac compatible:** UC-100 KMA (PS/2 to USB Adapter), please refer to page P35
  3. **Sun (USB) :** CV-131B, see page P34, **SUN (Legacy):** CV-130B, see page P33

Model: **CS-9134**
4 Port PS/2 KVM Switch

Model: **CS-9138**
8 Port PS/2 KVM Switch

CS-9138 Rear View

Despite the CS-9134 and the CS-9138 (Compatible with PS/2 and USB*) serving as cascade units for the CS-428 Multi-Console KVM Switch, they also function as capable units by themselves. A single Master View CS-9134 or CS-9138 can control up to 4 or 8 computers, respectively. Since units can be cascaded to three levels, in a full three stage installation, up to 21 CS-9134 Master Views can control up to 64 computers, and up to 73 CS-9138 Master Views can control up to 512 computers - all from a single console. There is no better way to save time and money than with a Master View CS-9134/CS-9138 installation.

* USB operation requires purchase of optional equipment (see below).

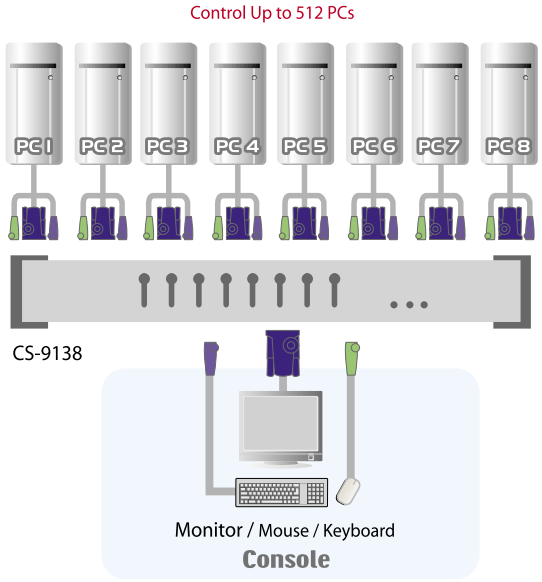
## Features

- Cascadable to three levels - control up to 64 (CS-9134) or 512 (CS-9138) computers from a single console
- No software required - computer selection via front panel buttons, hotkeys, or On Screen Display (OSD)
- PS/2 and serial mouse emulation provided for system bootup console's PS/2 mouse controls all connected computers - even those with serial mice
- PS/2 compatible mouse support - Microsoft Intellimouse Pro, Logitech FirstMouse, FirstMouse+
- Superior video quality; 1920x1440
- Rack mountable in a 19" (1U) system rack
- Available in silver and black

## Specifications

| Function | | | CS-9134 | CS-9138 |
|---|---|---|---|---|
| Computer Connections | | Direct | 4 | 8 |
| | | Max | 64 (Via Cascade) | 512 (Via Cascade) |
| Computer Port Selection | | | Hotkey Push button, OSD | |
| Connectors | Console | Keyboard | 1 x Mini Din 6 Female (Purple) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x Mini Din 6 Female (Green) | |
| | Computer | Keyboard | 4 x Mini Din 6 Female (Purple) | 8 x Mini Din 6 Female (Purple) |
| | | Video | 4 x HDB15 Male (Blue) | 8 x HDB15 Male (Blue) |
| | | Mouse | 4 x Mini Din 6 Female (Green) | 8 x Mini Din 6 Female (Green) |
| | Power | | 1 x DC Jack | |
| LEDs | On Line/ Selected | | 4 (Green) | 8 (Green) |
| | Power | | 4 (Orange) | 8 (Orange) |
| Emulation | Keyboard | | PS/2 | |
| | Mouse | | | |
| Video | | | 1920 x 1440; DDC2B | |
| Scan Interval | | | 3, 5, 10, 15, 20, 30, 40, 60 Seconds | |
| Power Consumption | | | DC9V, 0.9W | DC9V, 1.08W |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidty | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 2.55 kg | 2.85 kg |
| | Dimensions (L x W x H) | | 45 x 17 x 6.7 cm | |

## Diagram




## Accessories

Rack Mounting Kit x 1 (pic.1)
Power Adapter: DC9V x 1 (pic. 2)

## Optional Equipment

- **PS/2 KVM Cable:**
  We offer varying lengths: 1.2m (2L-5001 P/C), or 1.8m (2L-5002 P/C) 3m (2L-5003 P/C) and 5m (2L-5005 P/C) PS/2 KVM cable, please refer to page P64-A

- **Cables & Converters for USB interface support:**
  1. **PC compatible:** a 1.8m (2L-5502UP), 3m (2L5503UP) and 6m (2L-5506UP) USB KVM cable, please refer to page P64-G
  2. **Windows/Mac compatible:** UC-100 KMA (PS/2 to USB Adapter), please refer to page P35
  3. **Sun (USB) :** CV-131A, see page P34, **SUN (Legacy):** CV-130A, see page P33

Model: **CS-228**
Multi-console 8 port PS/2 KVM Switch

Model: **CS-428**
Multi-console 8 port PS/2 KVM Switch

CS-428 Rear View

The CS-228 and the CS-428 allow two or four separate PS/2 consoles to access 8 computers, either independently or on a multi-user shared basis. Responding to the growing use of audio, this series has built in microphone and speaker support. Password protection prevents unauthorized access to computers which can be accessed via the On Screen Display (OSD).

## Features

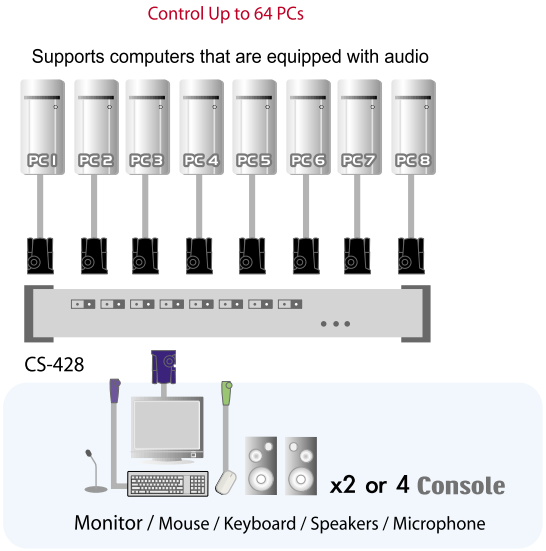
- 2 or 4 consoles control 8 computers
- Up to four users can operate up to 64 computers (via cascade to CS-138A, CS-9138, CS-128A*) at the same time
- Each console has its own access control
- Two level password security (one administrator; four user passwords)
- Administrator can access any computer completely independently of the other users
- Each user has his own access control list
- Port selection via OSD (on screen display)
- Auto expansion of the OSD port list for cascaded installations
- Supports 1920 x 1440 resolution; DDC2B (display data channel 2)
- Audio (microphone and speaker) support
- Special design for easy stacking
- Rack mountable in a 19" (1U) System Rack

* CS-138A, CS-9138 and CS-128A do not support audio features of audio enabled KVM Switches

## Specifications

| Function | | | CS-228 | CS-428 |
|---|---|---|---|---|
| Computer Connections | | Direct | 8 | 8 |
| | | Max | 64 (via Cascade to CS-138A, CS-9138, CS-128A) | |
| Computer Port Selection | | | OSD | |
| Connectors | Console (1,2) | Keyboard | 2 x Mini Din 6 Female (Purple) | |
| | | Video | 2 x HDB15 Female (Blue) | |
| | | Mouse | 2 x Mini Din 6 Female (Green) | |
| | | Speaker | 2 x Mini Stereo Jack Female (Green) | |
| | | Microphone | 2 x Mini Stereo Jack Female (Pink) | |
| | Console (3,4) | Keyboard/ Video/Mouse | N/A | 2 x 25 Pin D-Type Female (Black) |
| | | Speaker | | |
| | | Microphone | | |
| | Computer | Keyboard/ Video/Mouse | 8 x 25 Pin D-Type Female (Black) | |
| | | Speaker | | |
| | | Microphone | | |
| | Power | | 1 x DC Jack | |
| LEDs | On Line | | 8 (Orange) | |
| | Selected | | 8 (Green) | |
| | Power | | 1 (Blue) | |
| Emulation | Keyboard | | PS/2 | |
| | Mouse | | | |
| Video | | | 1920 x 1440; DDC2B | |
| Scan Interval | | | 3, 5, 10, 15, 20, 30, 40, 60 Seconds | |
| Power Consumption | | | DC9V, 6.3W | DC9V, 7.2W |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidty | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 2.7 kg | 4.2 kg |
| | Dimensions (L x W x H) | | 45 x 17 x 6.7 cm | 45 x 27.5 x 6.7 cm |

## Diagram




## Accessories

Rack Mounting Kit x 1 (pic.1)
Power Adapter: DC9V x 1 (pic. 2)
Console Cable for Console 3, 4 x 2 (CS-428) (pic. 3)

## Optional Equipment

**PS/2 KVM Cable:**
We offer varying lengths: 1.8m (2L-1701P), 3m (2L-1703P), 5m ( 2L-1705P) and 10m (2L-1710P) PS/2 KVM cable, please refer to page P65-K

Model: **CS-1754**
4 Port PS/2 & USB KVM Switch

Model: **CS-1758**
8 Port PS/2 & USB KVM Switch

CS-1758 Rear View

ATEN's CS-1754/ CS-1758 4/8 Port USB and PS/2 KVM Switch enables an administrator the versatility of USB and PS/2 interface coexistence. While offering audio support, the CS-1754/ CS-1758 also utilizes tomorrow's USB generation data transfer speeds and ease of compatibility. Cascade to three levels controlling up to 64 computers with 21 CS-1754 units or 512 computers with 73 CS-1758 units. ATEN's CS-1754 and CS-1758 provide many upgrading enterprises with a reliable investment for universal connection and safe long term usage.

## Features

- One console controls up to 4 or 8 computers directly and cascades to 3 levels ;capable of supporting up to 64 or 512 PCs
- Dual interface - supports computers with PS/2 or USB keyboards and mice.
- Computer selection via front panel buttons, hotkeys, or On Screen Display (OSD)
- Supports PC (Windows, Linux and most others), Mac, Linux and Sun systems
- Fully compliant with USB 1.1 specification
- Firmware upgradable for life
- OSD selection for OS and keyboard language
- Supports Windows 98 or higher, Mac OS 8.6 or higher, Linux Red Hat 7.1 or higher, and Sun Micro systems
- Buzzer ON/OFF via hotkey, push button and OSD
- Audio enabled
- Auto PS/2 and USB interface detection
- ATEN USB ASIC Inside

## Accessories

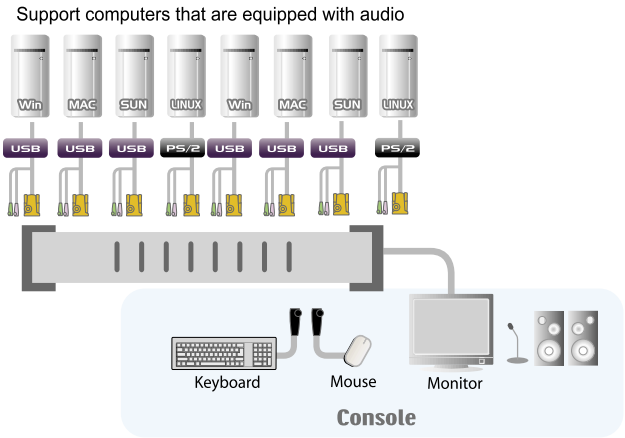
1.8m Firmware Upgrade Cable x 1 (pic.1)
Rack Mounting kit x 1 (pic. 2)
Power Adapter: DC5V x 1 (pic. 3)

## Optional Equipment

- **PS/2 KVM Cable:**
  We offer varying lengths: 1.2m (2L-5301P), 1.8m (2L-5302 P) 3m (2L-5303P), 4m ( 2L-5304P) and 5m (2L-5305P) PS/2 KVM cable, please refer to page P65-N

- **USB KVM Cable**
  We offer varying lengths: 1.2m (2L-5301U), 1.8m (2L-5302U), 3m (2L-5303U), 4m ( 2L-5304U) and 5m (2L-5305U) USB KVM cable, please refer to page P65-M

## Diagram




## Specifications

| Function | | | CS-1754 | CS-1758 |
|---|---|---|---|---|
| Computer Connections | | Direct | 4 | 8 |
| | | Max | 64 (Via Cascade) | 512 (Via Cascade) |
| Computer Port Selection | | | Hotkey, Push Button, OSD | |
| Connectors | Console | Keyboard | 1 x USB Type A Female (White) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x USB Type A Female (White) | |
| | | Speaker | 1 x Mini Stereo Jack Female (Green) | |
| | | Microphone | 1 x Mini Stereo Jack Female (Pink) | |
| | Computer | Keyboard/ Video/ Mouse | 4 x SPHD15 Female (Yellow) | 8 x SPHD15 Female (Yellow) |
| | | Speaker | 4 x Mini Stereo Jack Female (Green) | 8 x Mini Stereo Jack Female (Green) |
| | | Microphone | 4 x Mini Stereo Jack Female (Pink) | 8 x Mini Stereo Jack Female (Pink) |
| | Firmware Upgrade | | 1 x RJ 11 (Female) | |
| | Power | | 1 x DC Jack | |
| Switches | Firmware Upgrade | | 1 x Slide Switch | |
| | Reset | | 1 x Semi-Recessed Push Butoon | |
| LEDs | On Line | | 4 (Orange) | 8 (Orange) |
| | Selected | | 4 (Green) | 8 (Green) |
| Emulation | Keyboard | | USB | |
| | Mouse | | | |
| Video | | | 2048 x 1536; DDC2B | |
| Scan Interval | | | 1-255 Seconds (5 Seconds Default) | |
| Power Consumption | | | DC5V, 2.75W | DC5V, 3.4W |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidty | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 2.64 kg | 2.72 kg |
| | Dimensions (L x W x H) | | 45 x 17 x 6.7 cm | 45 x 17 x 6.7 cm |

Model: **CS-1708**
8 Port USB KVM Switch

Model: **CS-1716**
16 Port USB KVM Switch

CS-1716 Rear View

ATEN's solution for the total USB server room or corporate setting allows 1 USB console to interface with either 8 pure USB computers (the CS-1708) or 16 pure USB computers (the CS-1716). Equipped with dedicated daisy chain ports allows 31 additional CS-1708 or ACS-1208A PS/2 KVM Switches, or 31 additional CS-1716 or ACS-1216A PS/2 KVM Switches to daisy chain without wasting valuable CPU ports. ATEN's streamlined approach to USB corporate connectivity applications.

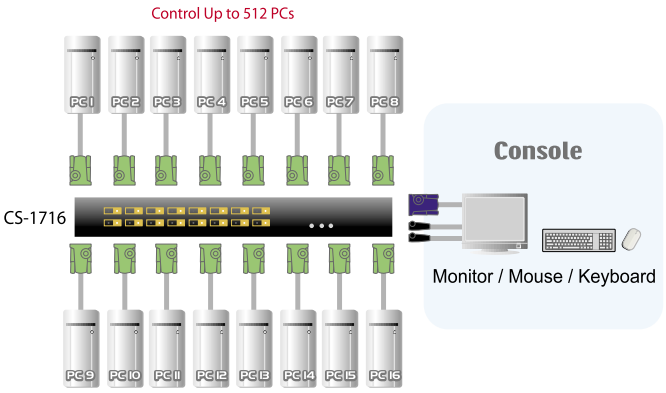
## Features

- Control 8 or 16 Pure USB computers with one USB K/B, one USB mouse, and one VGA monitor
- Daisy chain up to 31 additional CS-1716 or CS1216A units and control up to 512 computers
- Supports multimedia USB keyboards (PC, Mac and Sun)
- Firmware upgrades to all the chained KVM switches at the same time via the daisy chain cable
- Compatible with all operation platforms: PC (Windows, Linux and most other), Mac and Sun
- OSD is mouse driven for quick and convenient navigation of the menu
- OSD selection for OS and keyboard language
- Security- administrator/ user password authorization for enhanced security protection (PSP)
- Buzzer ON/OFF via hotkey and OSD
- Broadcast Mode: Operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown....etc
- ATEN USB ASIC Inside

## Specifications

| Function | | | CS-1708 | CS-1716 |
|---|---|---|---|---|
| Computer Connections | | Direct | 8 | 16 |
| | | Max | 256 (Via Daisy Chain) | 512 (Via Daisy Chain) |
| Computer Port Selection | | | Hotkey, OSD | |
| Connectors | Console | Keyboard | 1 x USB Type A Female (White) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x USB Type A Female (White) | |
| | Computer | Keyboard/ Video/Mouse | 8 x SPHD-15 Female (Green) | 16 x SPHD-15 Female (Green) |
| | Chain Ports | In | 1 x 25Pin D-Type Female (Black) | |
| | | Out | 1 x 25Pin D-Type Male (Black) | |
| | Firmware Upgrade | | 1 x RJ 11 (Female) | |
| | Power | | 1 x DC Jack | |
| Switches | Firmware Upgrade | | 1 x Slide Switch | |
| | Reset | | 1 x Semi-Recessed Push Butoon | |
| LEDs | On Line | | 8 (Orange) | 16 (Orange) |
| | Selected | | 8 (Green) | 16 (Green) |
| | Station ID | | 2 (Orange) 7-Segement | |
| | Power | | 1 (Blue) | |
| Emulation | Keyboard | | USB | |
| | Mouse | | | |
| Video | | | 2048 x 1536; DDC2B | |
| Scan Interval | | | 1-255 Secends (5 Secends Sefault) | |
| Power consumption | | | DC5V, 6W | DC5V, 6.5W |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidty | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 2.73 kg | 2.96 kg |
| | Dimensions (L x W x H) | | 43.3 x 16 x 4.5 cm | |

## Diagram




## Accessories

1.

2.

3.

4.

1.8m USB KVM Cable x 2 (pic.1)
1.8m Firmware Upgrade Cable x 1 (pic. 2)
Power Adapter: DC 5V x 1 (pic.3)
Rack Mounting kit x 1 (pic. 4)

## Optional Equipment

- **Daisy Chain Cable**
  0.6m (2L-1700), 1.8m (2L-1701), please refer to page P65-J

- **USB KVM Cable**
  We offer varying lengths: 3m (2L-5203U) and 5m (2L-5205U) USB KVM cable, please refer to page P65-O

Model: **ACS-1208A**
8 Port PS/2 KVM Switch

Model: **ACS-1216A**
16 Port PS/2 KVM Switch

ACS-1216A Rear View

ATEN's high performance KVM switch (Compatible with PS/2 and USB*) offers one of the most streamlined approaches to server-network management. With its advanced engineering and high density console connectors, a single unit occupies only 1U of rack space and can control up to 256 computers (ACS-1208A) or up to 512 computers (ACS-1216A).

* USB operation requires purchase of optional equipment (see below).

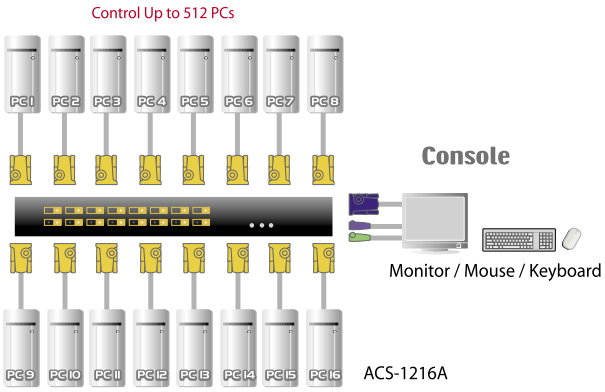
## Features

- A single console controls up to 8 (ACS-1208A) or 16 (ACS-1216A) computers
- Daisy chain up to 31 additional units - control up to 256 or 512 computers from a single console
- No software required - convenient computer selection via hotkeys and intuitive OSD menus
- Auto-sensing of station's position on daisy chained installations –no need for manual DIP switch setting - front panel LED indicates station's position
- Port names automatically reconfigured when station sequence is changed
- Two level password security - only authorized users view and control the computers - up to four Users plus an administrator – separate profiles for each
- Superior video quality - supports resolutions of up to 1920 x 1440
- Buzzer ON/OFF via hotkey and OSD
- Broadcast Mode: Operations simultaneously performed on all selected computers, software installation and upgrading, system wide shutdown....etc
- Upgradable firmware
- Rack mountable in a 19"(1U) system rack

## Specifications

| Function | | | ACS-1208A | ACS-1216A |
|---|---|---|---|---|
| Computer Connections | | Direct | 8 | 16 |
| | | Max | 256 (Via Daisy Chain) | 512 (Via Daisy Chain) |
| Computer Port Selection | | | Hotkey, OSD | |
| Connectors | Console | Keyboard | 1 x Mini Din 6 Female (Purple) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x Mini Din 6 Female (Green) | |
| | Computer | Keyboard/Video/ Mouse | 8 x SPHD-15 Female (Yellow) | 16 x SPHD-15 Female (Yellow) |
| | Chain Ports | In | 1 x 25Pin D-Type Female (Black) | |
| | | Out | 1 x 25Pin D-Type Male (Black) | |
| | Firmware upgrade | | 1 x RJ 11 Female | |
| | Power | | 1 x DC Jack | |
| Switches | Firmware Upgrade | | 1 x Slide Switch | |
| | Reset | | 1 x Semi-recessed Push Butoon | |
| LEDs | On Line | | 8 (Orange) | 16 (Orange) |
| | Selected | | 8 (Green) | 16 (Green) |
| | Station ID | | 2 (Orange) 7-Segement | |
| | Power | | 1 (Blue) | |
| Emulation | Keyboard | | PS/2 | |
| | Mouse | | | |
| Video | | | 1920x1440; DDC2B | |
| Scan Interval | | | 1-255 Secends | |
| Power consumption | | | DC9V, 7.5W | DC9V, 8W |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidty | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | | 2.73 kg | 2.83 kg |
| | Dimensions (D x W x H) | | 43.3 x 16 x 4.5 cm | |

## Diagram




## Accessories

1.8m PS/2 KVM cable x 2 (pic.1)
1.8m firmware upgrade cable x 1 (pic. 2)
Power adapter: DC9V, 1.2A x 1 (pic. 3)
Rack mounting kit x 1 (pic. 4)

## Optional Equipment

- **Cables & Converters for USB interface support:**
  1. **PC compatible:** a 1.8m (2L-5202P), 3m (2L5203P) and 6m (2L-5206P) USB KVM cable, please refer to page P64-E
  2. **Windows/Mac compatible:** UC-100 KMA (PS/2 to USB adapter), please refer to page P35
  3. **Sun (USB) :** CV-131A, see page P34, **SUN (Legacy):** CV-130A, see page P33
- **Daisy Chain Cable**
  0.6m (2L-1700), 1.8m (2L-1701), please refer to page P65-J
- **PS/2 KVM Cable**
  We offer varying lengths: 1.2m (2L-5201P), 1.8m (2L-5202P/2L-5702P), 3m (2L-5203P) and 6m (2L-5206P), please refer to page P64-B

## Model: CL-1208 / CL-1216

8/16 Port PS/2 Slideaway LCD KVM Switch

The Master View CL-1208 / CL-1216 are advanced 8 / 16 port KVM switches that integrate a 15" or 17" LCD monitor, keyboard and mouse in a Slideaway console that can be comfortably mounted in less than 1U of rack space. By daisy chaining compatible Master View max switches, as many as 512 computers can be controlled from a single CL-1216 console using hotkey combinations or the On Screen Display (OSD) menu.

A second console may be added easily via the rear ports, enabling two users to simultaneously and independently manage any computer on the KVM installation.

To simplify rack mounting, we offer the Easy Installation Rack Mounting Kit. This optional kit streamlines the rack mounting process, making one-person installation easy and convenient.

## Features

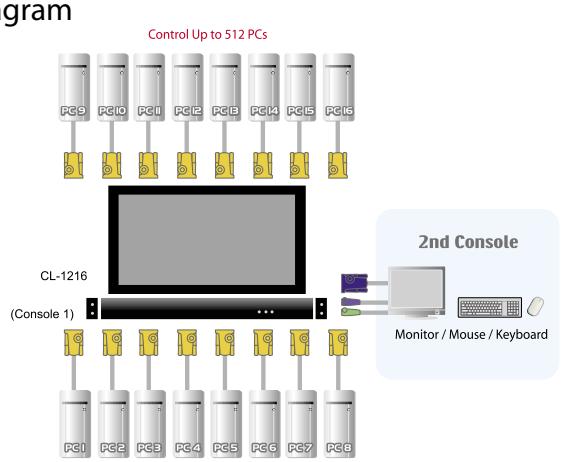
- Integrated KVM console featuring a 15" or 17" LCD monitor in Slideaway housing
- Dual consoles- simultaneous viewing and control or select one or the other via OSD
- 105-key keyboard
- Daisy chain up to 31 additional ACS-1208A or ACS-1216A units and control up to 512 computers
- Internal power built in
- Less than 1 U high mountable rack
- Port selection via Push button, Hotkey and OSD
- Two level password security - only authorized user view and control the computers - up to four users plus an administrator with separate profiles for each
- DDC emulation of the LCD monitor - VGA settings of every connected computer are automatically adjusted for optimal output to the LCD monitor
- Improved design Easy Rack Mounting-Single person installation (Optional)

## Specifications

| Function | | | CL-1208 | CL-1216 |
|---|---|---|---|---|
| Computer Connections | Direct | | 8 | 16 |
| | Max | | 256 (Via Daisy Chain) | 512 (Via Daisy Chain) |
| Computer Port Selection | | | Push Button, Hotkey, OSD | |
| Connectors | Second Console | Keyboard | 1 x Mini Din 6 Female (Purple) | |
| | | Video | 1 x HDB15 Female (Blue) | |
| | | Mouse | 1 x Mini Din 6 Female (Green) | |
| | Computer | K/B/Video/ Mouse | 8 x SPHD-15 Female | 16 x SPHD-15 Female |
| | Chain Port | | 1 x 25 Pin D-Type Male (Black) | |
| | Firmware upgrade | | 1 x RJ-11 Female | |
| | Power | | 3 Prong AC Socket | |
| Switches | Firmware Upgrade | | 1 x Slide | |
| | LCM Adjustment | | 4 x Buttons | |
| | KM Reset | | 1 x Semi-Recessed Push Button | |
| | Power | | 1 x Rocker Switch | |
| LEDs | On Line | | 8 (Orange) | 16 (Orange) |
| | Selected | | 8 (Green) | 16 (Green) |
| | Power | | 1 (Blue) | |
| | Num Lock | | 1 (Green) | |
| | Caps Lock | | 1 (Green) | |
| | Scroll Lock | | 1 (Green) | |
| Emulation | Keyboard | | PS/2 | |
| | Mouse | | | |
| Video | 15" LCD | | 1024 x 768; DDC2B | |
| | 17" LCD | | 1280 x 1024; DDC2B | |
| Scan Interval | | | 1-255 Seconds | |
| Power Consumption | | 15" LCD | 120V, 21W<br>230V, 30W | 120V, 21W<br>230V, 30W |
| | | 17" LCD | 120V, 30W<br>230V, 37W | 120V, 30W<br>230 V, 37W |
| Environment | Operating Temperature | | 0°~50°C | |
| | Storage Temperature | | -20°~60°C | |
| | Humidity | | 0~80% RH, NC | |
| Physical Properties | Housing | | Metal | |
| | Weight | 15" LCD | 14.1 kg | 14.3 kg |
| | | 17" LCD | 14.6 kg | 14.8 kg |
| | Dimensions (D x W x H) | | 62.6 x 48 x 4.4 cm | 62.6 x 48 x 4.4 cm |

CL-1216 Rear View

## Diagram




## Accessories

1.8m PS/2 KVM cable x 2 (pic.1)
1.8m Firmware Upgrade Cable x 1 (pic. 2)
Rack Mounting Kit x 1 (pic. 3)
Power Cord x 1 (pic. 4)

## Optional Equipment

- **Cables & Converters for USB interface support:**
  1. **PC compatible:** a 1.8m (2L-5202UP), 3m (2L-5203UP) and 6m(2L-5206UP) USB KVM cable is needed, please refer to page P65-N
  2. **Windows/Mac compatible:** UC-100 KMA (PS/2 to USB adapter), please refer to page P35
  3. **Sun (USB) :** CV-131A, see page P34, **SUN (Legacy):** CV-130A, see page P33
- **Daisy chain cable**
  0.6m (2L-1700), 1.8m (2L-1701), please refer page P65-J
- **PS/2 KVM cable**
  We offer varying lengths: 1.2m (2L-5202P), 1.8m (2L-5202P/2L-5702P), 3m (2L-5203P) and 6m (2L-5206P) please refer to page P64-B
- **Optional rack mounting kit**
  Easy-Installation Rack Mounting Kit - Short
  Easy-Installation Rack Mounting Kit - Long

## Model: CL-1758

8 Port Slideaway LCD KVM Switch

The Master View Max CL-1758 offers a space-saving, streamlined approach to KVM switch technology by integrating a keyboard, LCD monitor, and touchpad in a Slideaway housing.

For further convenience and flexibility, the switch also supports an external keyboard, monitor, and mouse console. Although external console uses a PS/2 keyboard and mouse, the CL-1758 supports both PS/2 and USB computers. Depending on the cable you use to link the switch to the computer, you can attach to a computer with PS/2 connectors or USB connectors.

## Features

- Integrated KVM console featuring a 15" or 17" LCD monitor in Slideaway housing
- Dual consoles- simultaneous viewing and control or select one or the other via OSD
- 105-key keyboard
- Dual interface support, PS/2 or USB keyboard and mouse data transfer from the switch to the computer
- Internal power built in
- Less than 1 U high mountable rack
- Adjustable depth to fit within the rack
- DDC emulation of the LCD monitor - VGA settings of every connected computer are automatically adjusted for optimal output to the LCD monitor
- Cascade up to 64 units with total control over 512 computers
- Superior video quality: up to 1024 x 768 (15"),1280 x 1024 (17")
- Easy setup, no software required Custom software built-into firmware. (OSD/Autoscan/Security)
- Heavy duty, metal enclose will provide years of trouble free operation
- Firmware upgradeable, mouse/KB emulation, Hotpluggable, Buzzer and hotkey support
- Auto PS/2 and USB interface detection
- Improved design Easy Rack Mounting-Single person installation (Optional)

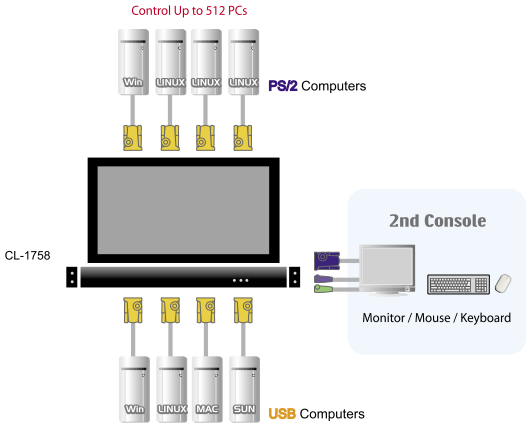
## Specifications

| | | | |
|---|---|---|---|
| Function | | | CL-1758 |
| Computer Connections | | Direct | 8 |
| | | Max | 512 (Via Cascade CS-1758*) |
| Computer Port Selection | | | OSD, Hotkey, Push Button |
| Connectors | Second Console | Keyboard | 1 x 6 Pin Mini-DIN Female (Purple) |
| | | Video | 1 x HDB-15 Female (Blue) |
| | | Mouse | 1 x 6 Pin Mini-DIN Female (Green) |
| | Computer | Keyboard/ Video/Mouse | 8 x SPHD-15 Female |
| | Power | | 3 prong AC Socket |
| | FW Upgrade | | 1 x RJ-11 |
| LEDs | On Line | | 8 (Orange) |
| | Selected | | 8 (Green) |
| | Power | | 1 (Blue) |
| Switches | Firmware Upgrade | | 1 x Slide |
| | Power | | 1 x Rocker |
| Video | 15" LCD | | 1024 x 768; DDC2B |
| | 17" LCD | | 1280 x 1024; DDC2B |
| Scan Interval (OSD Select) | | | 1-255 Seconds |
| Power Consumption | | 15" LCD | 120V, 21W / 230V, 30W |
| | | 17" LCD | 120V, 30W / 230V, 37W |
| Emulation | Keyboard | | PS/2 |
| | Mouse | | |
| Environment | Operating Temperature | | 0°~50°C |
| | Storage Temperature | | -20°~60°C |
| | Humidity | | 0~80% RH, NC |
| Physical Properties | Housing | | Metal |
| | Weight | 15" LCD | 14.5 kg |
| | | 17" LCD | 14.9 kg |
| | Dimensions (D x W x H) | | 62.6 x 48 x 4.4 cm |

* CL-1758 does not support the audio features of audio enabled KVM Switches

CL-1758 Rear View

## Diagram




## Accessories

1.8m PS/2 KVM Cable x 1 (pic.1)
1.8m USB KVM Cable x 1 (pic. 2)
1.8m Firmware Upgrade Cable x 1 (pic. 3)
Power Cord x 1 (pic. 4)
Rack Mounting Kit x 1 (pic. 5)

## Optional Equipment

- **PS/2 KVM cable**
  We offer varying lengths: 1.2m (2L-5202P), 1.8m (2L-5202P/2L-5702P), 3m (2L-5203P) and 6m (2L-5206P) please refer to page P64-B
- **USB KVM cable**
  We offer varying lengths: 1.2m (2L-5201U), 1.8m (2L-5202U), 3m (2L-5203U) and 5m (2L-5205U) USB KVM cable please refer to page P65-O
- **Optional rack mounting kit**
  Easy-Installation Rack Mounting Kit - Short
  Easy-Installation Rack Mounting Kit - Long